

ORIG :  
UNIT :  
EXT :  
DATE : 19 JUN 70

CLASSIFIED MESSAGE

**TOP SECRET**

| ROUTING |  |   |  |
|---------|--|---|--|
| 1       |  | 4 |  |
| 2       |  | 5 |  |
| 3       |  | 6 |  |

TO :  
FROM :  
CONF :  
INFO :

PAGE 1 OF 21

|                 |   |                       |          |
|-----------------|---|-----------------------|----------|
| 19 JUN 70 21 51 |   |                       |          |
| PROCESSING      | DEFERRED                                    | PRIORITY              | INITIALS |
|                 | <input checked="" type="checkbox"/> ROUTINE | OPERATIONAL IMMEDIATE | INITIALS |

TO

CITE

REF A:

B:

SUBJ: MSN 1110 PHOTOGRAPHIC EVALUATION INTERIM REPORT (PEIR)

1. NUMERICAL SUM:

MSN NO AND DATES: 1110-1 20-31 MAY 70 RECOVERY 31 MAY 70/2230Z

-2 31 MAY 70 - 8 JUN 70 RECOVERY 8 JUN 70/  
2230Z

LAUNCH DATE & TIME: 20 MAY 70/2135Z

VEHICLE NO: 1656

CAM SYS: CR-11

PAN CAMS: AFT LOOKING 322, FILM TYPES 3404/S0-349/3404

FWD LOOKING 323, FILM TYPES 3404/S0-349/3404

DISIC UNIT: No 10

STELLAR LENS: PORT F/2.8, 1.5 SEC, NO FILTER

STB F/2.8, 1.5 SEC, NO FILTER

COORDINATING OFFICERS

GROUP LEADING OFFICER  
Excluded from automatic  
downgrading and  
declassification

**TOP SECRET**

AUTHENTICATING OFFICER

REPRODUCTION BY OTHER THAN THE ISSUING OFFICE IS PROHIBITED. Copy No.

Signal Center Transmission Copy - DO NOT DETACH - Forward with Master

25X1

25X1  
25A1

25X1

2-

Approved For Release 2008/12/15 : CIA-RDP78B03824A000500020052-3

CLASSIFIED MESSAGE

ORIG :  
UNIT :  
EXT :  
DATE :

**TOP SECRET**

## ROUTING

|   |  |   |  |
|---|--|---|--|
| 1 |  | 4 |  |
| 2 |  | 5 |  |
| 3 |  | 6 |  |

TO :

FROM:

CONF:

INFO :

PAGE 2 OF 21

|           |          |                          |          |
|-----------|----------|--------------------------|----------|
| PROCESSOR | DEFERRED | PRIORITY                 | INITIALS |
|           | ROUTINE  | OPERATIONAL<br>IMMEDIATE | INITIALS |

TO

INFO

CITE

FILM TYPE: 3401

TERRAIN LENS: F/6.3, 1/500 SEC, FIXED W-12 FILTER

FILM TYPE: 3400

RECOVERY REVS: MSN 1110-1, REV 179

-2, REV 309

LAUNCH WINDOW: 2130Z TO 2220Z, 20 MAY 70

## 2. CAM SETTINGS:

FWD LOOKING: WRATTEN 23 A (PRIMARY)

WRATTEN 25 (ALT)

SLIT WIDTH POS 1 - 0.141 INS (MEASURED)

2 - 0.167 INS (MEASURED)

3 - 0.203 INS (MEASURED)

4 - 0.108 INS (MEASURED)

FAIL SAFE - 0.153 INS (MEASURED)

AFT LOOKING: WRATTEN 21 (PRIMARY)

WRATTEN 23 A(ALT)

COORDINATING OFFICERS

RELEASING OFFICER

**TOP SECRET**

AUTHENTICATING OFFICER

REPRODUCTION BY OTHER THAN THE ISSUING OFFICE IS PROHIBITED. Copy No.

Signal Center Transmission Copy - DO NOT DETACH - Forward with Master

Approved For Release 2008/12/15 : CIA-RDP78B03824A000500020052-3

CLASSIFIED MESSAGE

ORIG :  
UNIT :  
EXT :  
DATE :

~~TOP SECRET~~

## ROUTING

|   |  |   |  |
|---|--|---|--|
| 1 |  | 4 |  |
| 2 |  | 5 |  |
| 3 |  | 6 |  |

TO :

FROM :

CONF :

PAGE 3 OF 21

INFO :

|          |          |                       |          |
|----------|----------|-----------------------|----------|
|          |          |                       |          |
|          |          |                       |          |
| RECEIVED | DEFERRED | PRIORITY              | INITIALS |
|          | ROUTINE  | OPERATIONAL IMMEDIATE | INITIALS |
|          |          |                       |          |

TO

INFO

CITE

SLIT WIDTH POS 1 - 0.104 INS (MEASURED)

2 - 0.132 INS (MEASURED)

3 - 0.160 INS (MEASURED)

4 - 0.080 INS (MEASURED)

FAIL SAFE - 0.118 INS (MEASURED)

## 3. PERFORMANCE SUM:

A. [ ] REPORTED MSN 1110 IMAGE QUALITY LESS THAN THAT OF PREVIOUS 1100 SERIES MSNS AND PI SUIT RANGES FROM GOOD TO POOR - MOSTLY IN FAIR TO POOR CATEGORY.

B. PET CONCURS WITH THIS BASIC ASSESSMENT, FINDING A NUMBER OF FACTORS CONTRIBUTING TO MEDIOCRE PERFORMANCE OF THIS MSN:

(1) SCALE: SMALL SCALE OF IMAGERY, WHEN COMPARED TO EARLY 1100 SERIES MSNS, CONTINUES TO BE A MAJOR DETRIMENT TO PI SUIT. SMALL SCALE WAS AGAIN REPORTED BY [ ] AS DEGRADING PI READOUT. PET STRONGLY RECOMMENDS, IN VIEW OF [ ] REPORT, THAT [ ] REASSESS SELECTION CRITERIA WHICH PRESENTLY FAVORS COVERAGE OVER QUALITY FOR THE 1100 SERIES MSNS.

COORDINATING OFFICERS

~~TOP SECRET~~

RELEASING OFFICER

AUTHENTICATING OFFICER

REPRODUCTION BY OTHER THAN THE ISSUING OFFICE IS PROHIBITED. Copy No.

Signal Center Transmission Copy - DO NOT DETACH - Forward with Master

25X1

25X1

225X1

**TOP SECRET**

TO :  
FROM :  
CONF :  
INFO :

TO

## INFO

CITE

(3) CAM FOCUS: SOME AFT CAM RESULTS, BASED ON CORN READINGS, WERE AS GOOD OR BETTER THAN COULD BE EXPECTED FROM ITS GROUND TEST DATA. FWD CAM READINGS DO NOT MEET EXPECTATIONS. LOSSES APPEAR TO BE CAUSED BY AN OUT OF FOCUS CONDITION. FWD IMAGERY IS MORE SEVERELY AFFECTED ON THE FILM'S OUTBOARD EDGE INDICATING A FILM PLANE TILT. ACTUAL FOCUS IS FORWARD OF FILM PLANE FOR SYSTEM, A CONDITION EFFECTED BY LOWER TEMPS WHICH ARE BEING ACHIEVED BY PRESENT THERMAL DESIGN. AS TEMP DECREASES IN THE SYS, FILM LIFT INCREASES. INCREASING FILM LIFT RESULTS IN GREATER FILM LIFT VARIABILITY. PET RECOMMENDS REVIEW OF SYS THERMAL DESIGN. IF NOT PRACTICAL TO ACHIEVE ABOVE 60 - 65 DEG

COORDINATING OFFICERS

TOP SECRET

RELEASING OFFICER

AUTHENTICATING OFFICER

REPRODUCTION BY OTHER THAN THE ISSUING OFFICE IS PROHIBITED. Copy No. AUTHENTICATING OFFICER  
Signal Center Transmission Copy - DO NOT DETACH - Forward with Master

ORIG :  
UNIT :  
EXT :  
DATE :

CLASSIFIED MESSAGE

TOP SECRET

ROUTING

|   |  |   |  |
|---|--|---|--|
| 1 |  | 4 |  |
| 2 |  | 5 |  |
| 3 |  | 6 |  |

TO :

FROM:

CONF:

INFO :

PAGE 5 OF 21

|          |                          |          |
|----------|--------------------------|----------|
| DEFERRED | PRIORITY                 | INITIALS |
| ROUTINE  | OPERATIONAL<br>IMMEDIATE | INITIALS |

TO

INFO

CITE

RANGE, CAM SYS FOCUS SETTING SHOULD BE BASED ON EXPECTED RANGE  
RATHER THAN AT 70 DEG NOMINAL. THE OUT OF FOCUS CONDITION APPEARS  
WORSE ON 1110-1 THAN 1110-2; POSSIBLY DUE TO FILM DRYING WHICH  
RESULTS IN LESS FILM LIFT VARIABILITY.

(4) FILTER: THE ALT FILTER IN FWD CAM WAS A W-25. THE  
OP UTILIZING THIS FILTER ACHIEVED A CORN GRD IMPROVEMENT OF 1  
FT OVER THOSE CORN READINGS OBTAINED WITH PRIME FILTER, W-23.  
IT IS POSSIBLE THAT THE PRIME FILTER USAGE DETRACTED FROM PI  
INTERP. PET RECOMMENDS THAT ALL FUTURE FLIGHTS UTILIZE A W-25 AS  
PRIMARY FILTER FOR FWD CAMERA.

C. THREE CORN TGTS WERE COVERED ON MSN 1110. EACH COVERAGE  
INCLUDED BOTH A 51/51 TGT AND A VERNIER TGT, WHICH IS DISPLAYED  
SPECIFICALLY FOR ASSESSING PERFORMANCE OF 1100 SERIES MSNS.  
READINGS SHOWN ARE FOR VERNIER TGT AND ARE AN AVERAGE OF 7 READERS

COORDINATING OFFICERS

TOP SECRET

RELEASING OFFICER

AUTHENTICATING OFFICER

REPRODUCTION BY OTHER THAN THE ISSUING OFFICE IS PROHIBITED. Copy No.

Signal Center Transmission Copy - DO NOT DETACH - Forward with Master

25X1

CLASSIFIED MESSAGE

~~TOP SECRET~~  
TOP SECRET

ORIG :  
UNIT :  
EXT :  
DATE :

TO :

FROM :

CONF :

INFO :

PAGE 6 OF 21

## ROUTING

|   |  |   |  |
|---|--|---|--|
| 1 |  | 4 |  |
| 2 |  | 5 |  |
| 3 |  | 6 |  |

|  |  |  |  |
|--|--|--|--|
|  |  |  |  |
|--|--|--|--|

|  |          |                          |          |
|--|----------|--------------------------|----------|
| P<br>R<br>E<br>P<br>A<br>R<br>E<br>D<br>I<br>N<br>G<br>O<br>F<br>F<br>I<br>C<br>E<br>R | DEFERRED | PRIORITY                 | INITIALS |
|  | ROUTINE  | OPERATIONAL<br>IMMEDIATE | INITIALS |

TO

INFO  
GROUND RES IN FT

CITE

| PASS | FWD      |             | AFT      |             |               |
|------|----------|-------------|----------|-------------|---------------|
|      | IN TRACK | CROSS TRACK | IN TRACK | CROSS TRACK |               |
| D129 | 9        | 9           | 7        |             | CLOUD COVERED |
| D210 | 8        | 8           | 7.5      | 7.5         |               |
| D226 | 9        | 9           | 8        | 7.5         |               |

## 4. PAN CAM ANOMALIES:

A. ANOMALY: A BAND OF DIAGONAL MARKS (ROPE APPEARANCE), 0.1 IN WIDE AND 0.3 IN FROM BINARY EDGE, RUNS CONTINUOUSLY FROM FR 23 TO FR 38 OF FWD PASS D263, WITHIN ACTIVE FORMAT. BAND RESUMES IN FR 43 AND CONTINUES THROUGH FR 92. IT DOES NOT APPEAR ON LAST FR OF PASS D263.

CAUSE: CAUSE IS UNKNOWN; HOWEVER, NO PHYSICAL DAMAGE OR IMAGE DEG IS ASSOCIATED WITH THIS MARKING.

ACTION: NONE.

B. ANOMALY: AN INTERMITTENT, 8 IN LONG, LONGITUDINAL EMULSION SCRATCH ORIGINATES APPROX 3 INS FROM SUPPLY END OF FR AND EXTENDS THROUGH

COORDINATING OFFICERS

~~TOP SECRET~~  
TOP SECRET

RELEASING OFFICER

AUTHENTICATING OFFICER

REPRODUCTION BY OTHER THAN THE ISSUING OFFICE IS PROHIBITED. Copy No.

Signal Center Transmission Copy - DO NOT DETACH - Forward with Master

CLASSIFIED MESSAGE

**TOP SECRET**

ORIG :  
UNIT :  
EXT :  
DATE :

TO :

FROM :

CONF :

INFO :

PAGE 7 OF 21

## ROUTING

|   |   |
|---|---|
| 1 | 4 |
| 2 | 5 |
| 3 | 6 |

|   |          |                          |          |
|---|----------|--------------------------|----------|
| P<br>R<br>O<br>C<br>E<br>D<br>U<br>R<br>E | DEFERRED | PRIORITY                 | INITIALS |
|   | ROUTINE  | OPERATIONAL<br>IMMEDIATE | INITIALS |

TO

INFO

CITE

A. O. AND INTO TAKE-UP OF ADJ FR. SCRATCH IS LOCATED IN FWD FORMAT ONE IN FROM BINARY FILM EDGE. SEVERITY OF SCRATCH DECREASES AS MSN PROGRESSES.

CAUSE: THIS ANOMALY WAS PRESENT DURING SYS TESTS, APPEARING MORE AS PRESSURE MARK THAN SCRATCH. MARK EXHIBITED "SKEWED/BRUSHING" APPEARANCE ACROSS ITS WIDTH BUT SHOWED NO EVIDENCE OF EMULSION GOUGING. SOURCE OF MARKING WAS LOCATED ON INPUT SIDE IMMEDIATELY PRIOR TO ENTERING A. O. PLATEN. EQUIP IN THIS AREA WAS PARTIALLY DISASSEMBLED AND INSPECTED BUT DIRECT CAUSE OF MARK WAS NOT DETERMINED. DURING FLT READINESS TEST, WITH FLT TAKE-UPS INSTALLED, PRESSURE MARK WAS OBSERVED TO BE LESS SEVERE, AND FURTHER DISASSEMBLY AND INSPECTION WERE CONSIDERED UNWARRANTED.

ACTION: NONE.

C. ANOMALY: PARTS OF SOME FWD OPS APPEAR UNDEREXPOSED AND OTHERS APPEAR OVEREXPOSED. (EX: PASS D186, D202, D234.)

CAUSE: THIS CONDITION OCCURRED WHERE OPS RQMNTS FOR S0-349 AND 3404 NECESSITATED A RESTRICTION IN SLIT SELECTION AND SUBSEQUENT

COORDINATING OFFICERS

**TOP SECRET**

RELEASING OFFICER

AUTHENTICATING OFFICER

REPRODUCTION BY OTHER THAN THE ISSUING OFFICE IS PROHIBITED. Copy No.

Signal Center Transmission Copy - DO NOT DETACH - Forward with Master  
Approved For Release 2008/12/15 : CIA-RDP78B03824A000500020052-3

CLASSIFIED MESSAGE

**TOP SECRET**

ORIG :  
UNIT :  
EXT :  
DATE :

TO :  
FROM :  
CONF :  
INFO :

PAGE 8 OF 21

## ROUTING

|   |  |   |  |
|---|--|---|--|
| 1 |  | 4 |  |
| 2 |  | 5 |  |
| 3 |  | 6 |  |

|   |          |                          |          |
|---|----------|--------------------------|----------|
| P<br>R<br>O<br>C<br>E<br>S<br>S<br>O<br>R | DEFERRED | PRIORITY                 | INITIALS |
|   | ROUTINE  | OPERATIONAL<br>IMMEDIATE | INITIALS |

TO

INFO

CITE

ORBITAL EXPOSURE SELECTION. SINCE ONE SLIT ON EACH CAM WAS ASSIGNED SPECIFICALLY FOR S0-349, ONLY THREE SLITS WERE AVAILABLE FOR USE ON 3404. CONSEQUENTLY, OPTIMUM EXP COULD NOT BE ACHIEVED ON ALL PASSES.

ACTION: NO FURTHER ACTION REQUIRED.

D. ANOMALY: SEVERAL MINUS DENSITY DEFECTS ARE PRESENT INTERMITTENTLY THROUGHOUT S0-349 AFT RECORD AND AT LEAST ONCE IN S0-349 FWD RECORD.

CAUSE: ANALYSIS INDICATES FOREIGN LIQUID SUBSTANCE FORMED A DROP ON FILM. AS DROP WAS TRANSPORTED THROUGH INPUT METERING ROLLER ASSEMBLY OR PROCESSOR ROLLER, SUBSTANCE WAS SQUEEGEED. THIS SQUEEGEED PATTERN WAS REPEATED 4 TO 5 TIMES AT A PITCH OF SIX AND THREE EIGHTS INS AND EITHER DESENSITIZED THE EMULSION OR PREVENTED PENETRATION OF VISCOUS DEVELOPER, THEREBY RESULTING IN MINUS DENSITY SPOTS. ANALYSIS CONCLUDED THIS ANOMALY IS NOT A FILM DEFECT.

MATERIAL HAD SUFFICIENT TIME TO DRY PRIOR TO BEING WRAPPED ON A SPOOL AND PATTERN OCCURRED RANDOMLY. TIME OF OCCURRENCE CANNOT BE

COORDINATING OFFICERS

RELEASING OFFICER

**TOP SECRET**

AUTHENTICATING OFFICER

REPRODUCTION BY OTHER THAN THE ISSUING OFFICE IS PROHIBITED. Copy No.

Signal Center Transmission Copy - DO NOT DETACH - Forward with Master  
Approved For Release 2008/12/15 : CIA-RDP78B03824A000500020052-3



CLASSIFIED MESSAGE

ORIG :  
UNIT :  
EXT :  
DATE :

**TOP SECRET**

## ROUTING

|   |  |   |  |
|---|--|---|--|
| 1 |  | 4 |  |
| 2 |  | 5 |  |
| 3 |  | 6 |  |

TO :  
FROM :  
CONF :  
INFO :

PAGE 9 OF 21

|   |          |                          |          |
|---|----------|--------------------------|----------|
| P<br>R<br>O<br>C<br>E<br>D<br>U<br>R<br>E | DEFERRED | PRIORITY                 | INITIALS |
|   | ROUTINE  | OPERATIONAL<br>IMMEDIATE | INITIALS |

TO

INFO

CITE

SPECIFICALLY ASCERTAINED.

ACTION: INVESTIGATE POSSIBLE SOURCES OF CONTAMINATION.

ASSIGNED TO 

25X1

E. ANOMALY: THREE FILM NICKS AND A DIAGONAL CREASE IN FRS  
25 AND 26 OF AFT PASS D187, WERE CAUSED WHEN FILM TRACKED OVER  
FLANGE OF GUIDE ROLLER DURING POST MSN PRESPLICE OP. A MFG SPLICE  
IS LOCATED IN FR 26 OF PASS D187.

CAUSE: DURING PRESPLICE AT  IT WAS NOTED THAT AFT CAM  
"B" ROLL WAS SLIGHTLY OUT OF ROUND. AS MFG SPLICE IN FR 26 LEFT CAM  
ROLL, SLACK SUDDENLY FORMED AND CAUSED FILM TO TRACK OVER FLANGE OF  
GUIDE ROLLER ON PRESPLICE TABLE. SLACK RESULTED FROM OUT OF ROUND  
CONDITION OF CAM ROLL AS RECEIVED BY

25X1

ACTION: NO ACTION RECOMMENDED.

F. ANOMALY: GROUND HANDLING - SET OF DIAL THERMOMETERS WERE  
INSTALLED IN FILM HANDLING CASES FOR THIS MSN. UPON ARRIVAL AT   
READINGS RECORDED FOR MAX TEMP REACHED IN EACH SUITCASE WERE:

25X1

COORDINATING OFFICERS

**TOP SECRET**

RELEASING OFFICER

AUTHENTICATING OFFICER

REPRODUCTION BY OTHER THAN THE ISSUING OFFICE IS PROHIBITED. Copy No.

Signal Center Transmission Copy - DO NOT DETACH - Forward with Master  
Approved For Release 2008/12/15 : CIA-RDP78B03824A000500020052-3

CLASSIFIED MESSAGE

ORIG :  
UNIT :  
EXT :  
DATE :

~~TOP SECRET~~

## ROUTING

|   |  |   |  |
|---|--|---|--|
| 1 |  | 4 |  |
| 2 |  | 5 |  |
| 3 |  | 6 |  |

TO :  
FROM :  
CONF :  
INFO :

PAGE 10 OF 21

|  |          |                          |          |
|--|----------|--------------------------|----------|
| P<br>R<br>O<br>C<br>E<br>D<br>U<br>R<br>E<br>S | DEFERRED | PRIORITY                 | INITIALS |
|  | ROUTINE  | OPERATIONAL<br>IMMEDIATE | INITIALS |

TO

INFO

CITE

1110-11110-2

FWD 114 DEG F 117 DEG F

AFT 102 DEG F 205 DEG F

THIS INDICATED HIGH TEMP FOR 1110-2 AFT CAUSED CONCERN AMONG [REDACTED]  
TEAM AT PROC SITE. CONCERN WAS ACCENTUATED BY PRESENCE OF FILM SPOTS,  
FOR WHICH NO CAUSE IS KNOWN.

CAUSE: IT IS FELT THAT RECORDED TEMPS, IN PARTICULAR THE 205  
DEG F RECORDED ON THE 1110-2 AFT RECORD ARE IN ERROR AND RESULTED FROM  
INCORRECT HANDLING IN "FIRSTTIME" USE OF THESE DIALS. FILM HANDLING  
PROCEDURES USED ON MSN 1110 WERE IDENTICAL TO THOSE OF PREVIOUS CORONA  
MSNS AND A/C ENVIRONMENTAL RECORDINGS SHOWED NO INDICATION OF DEVIATION  
FROM NOMINAL.

ACTION: CONDUCT FURTHER EVAL OF TEMP RECORDING TECHS. ASSIGNED  
TO [REDACTED]

G. ANOMALY: CAM NO WAS IMAGED SEVERAL TIMES ON LAST FR OF MOST  
OPS. NEXT TO LAST FR OF SOME OPS CONTAINS AN EXTRA BINARY TIME WORD.

COORDINATING OFFICERS

RELEASING OFFICER

~~TOP SECRET~~

AUTHENTICATING OFFICER

REPRODUCTION BY OTHER THAN THE ISSUING OFFICE IS PROHIBITED. Copy No.

Signal Center Transmission Copy - DO NOT DETACH - Forward with Master

25X1

25X1

CLASSIFIED MESSAGE

**TOP SECRET**

## ROUTING

|   |  |   |  |
|---|--|---|--|
| 1 |  | 4 |  |
| 2 |  | 5 |  |
| 3 |  | 6 |  |

ORIG :  
UNIT :  
EXT :  
DATE :

TO :

FROM:

CONF:

INFO :

PAGE 11 OF 21

|   |          |                          |          |
|---|----------|--------------------------|----------|
| P<br>R<br>O<br>C<br>E<br>D<br>U<br>R<br>E | DEFERRED | PRIORITY                 | INITIALS |
|   | ROUTINE  | OPERATIONAL<br>IMMEDIATE | INITIALS |

TO

INFO

CITE

CAUSE: THESE CONDITIONS RESULT WHEN THE INHIBIT PULSE IS NOT LONG ENOUGH TO PREVENT DOUBLE FIRING DURING SLOW OP, IE, CREEP MODE. THIS ANOMALY CAN OCCUR FREQUENTLY ON SHUT DOWN WITH NO RESULTING DAMAGE.

ACTION: NO ACTION RECOMMENDED.

H. ANOMALY: RANDOM, INTERMITTENT, PLUS DENSITY SPOTS ARE PRESENT THROUGHOUT 1110-2 ONLY. THEY ARE PRESENT ON BOTH FWD AND AFT CAM RECORDS AS WELLAS BOTH 3404 AND S0-349 EMULSIONS. SIZE OF SPOTS VARIES WITH LARGEST APPROX FIVE TEN-THOUSANDTHS IN. DEGRADATION ATTRIBUTABLE TO THESE SPOTS EXPECTED TO BE MINIMAL.

CAUSE: ANALYSIS AT  ESTABLISHED THAT PLUS DENSITY SPOTS ARE SILVER. THEY HAVE A FUZZY, UNSHARP BOUNDARY, AND OCCUR BOTH IN AND OUT OF FORMAT AREA WITH SIGNIFICANTLY HIGHER FREQUENCY IN LAST FEW INS AT SUPPLY END OF FR.. SOURCE OF SENSITIZATION WHICH RESULTED IN THESE SPOTS COULD NOT BE ESTABLISHED, BUT IT IS SUSPECTED TO HAVE OCCURRED IN FLT.

COORDINATING OFFICERS

**TOP SECRET**

RELEASING OFFICER

AUTHENTICATING OFFICER

REPRODUCTION BY OTHER THAN THE ISSUING OFFICE IS PROHIBITED. Copy No.

25X1

CLASSIFIED MESSAGE

~~TOP SECRET~~

ORIG :  
UNIT :  
EXT :  
DATE :

TO :

FROM:

CONF:

INFO :

PAGE 12 OF 21

## ROUTING

|   |  |   |  |
|---|--|---|--|
| 1 |  | 4 |  |
| 2 |  | 5 |  |
| 3 |  | 6 |  |

|  |  |  |  |
|--|--|--|--|
|  |  |  |  |
|--|--|--|--|

|   |          |                          |          |
|---|----------|--------------------------|----------|
| P<br>R<br>O<br>C<br>E<br>D<br>U<br>R<br>E | DEFERRED | PRIORITY                 | INITIALS |
|   | ROUTINE  | OPERATIONAL<br>IMMEDIATE | INITIALS |

TO

INFO

CITE

ACTION: ATTEMPT TO DETERMINE CAUSE. ASSIGNED TO 

25X1

25X1

I. ANOMALY: IMAGERY FROM BOTH CAMS DISPLAYS AN OUT OF FOCUS  
CONDITION.

CAUSE: INSTRUMENTS WERE FOCUSED FOR AN EXPECTED TEMPOF  
APPROX 70 DEG F. ACTUAL MSN TEMPS WERE LOWER, IE, APPROX 60 DEG F.,  
RESULTING IN HIGHER THAN EXPECTED DYNAMIC FILM LIFT AND VARIABILITY  
DURING EXPOSURE. IN ADDITION, NONUNIFORMITY ACROSS FORMAT IS ATTRIBUTED  
TO HIGHER THAN NORMAL FILM TILT, CAUSE OF WHICH IS UNKNOWN. THUS,  
ONE EDGE OF FORMAT IS AS SHARP AS EXPECTED FOR THESE UNITS AT THESE  
TEMPS, WHILE REST OF FORMAT IS MORE SERIOUSLY DEGRADED.

ACTION: INSTRUMENTS WILL BE SHIMMED FOR A TEMP OF 60 DEG F.,  
ANTICIPATED FLT ENVIRONMENT. IN ADDITION, CONDUCT AMBIENT AGT TESTS  
ON REMAINING SYS. UTILIZING THESE DATA, ADJUST INSTRUMENTS TO OBTAIN  
MIN FILM TILT. ASSIGNED TO

25X1

J. CHARACTERISTIC ANOMALIES HAVING A MINOR AFFECT ON PERFORMANCE:

COORDINATING OFFICERS

~~TOP SECRET~~

RELEASING OFFICER

AUTHENTICATING OFFICER

REPRODUCTION BY OTHER THAN THE ISSUING OFFICE IS PROHIBITED. Copy No.

Signal Center Transmission Copy - DO NOT DETACH - Forward with Master

CLASSIFIED MESSAGE

**TOP SECRET**

## ROUTING

|   |  |   |  |
|---|--|---|--|
| 1 |  | 4 |  |
| 2 |  | 5 |  |
| 3 |  | 6 |  |

ORIG :  
UNIT :  
EXT :  
DATE :

TO :

FROM:

CONF:

INFO :

PAGE 13 OF 21

|   |          |                          |          |
|---|----------|--------------------------|----------|
| P<br>R<br>O<br>C<br>E<br>D<br>U<br>R<br>E | DEFERRED | PRIORITY                 | INITIALS |
|   | ROUTINE  | OPERATIONAL<br>IMMEDIATE | INITIALS |

TO

INFO

CITE

(1) ANOMALY: OUT OF FOCUS AREAS PRESENT ON FRS 3 AND 4  
OF FWD CAM OF SOME PASSES AND ON FRS 4 AND 5 OF AFT CAM.

CAUSE: AFT CAM HAS SIT MARKS ON FRS 4 AND 5 SIMILAR  
TO THOSE WHICH OCCURRED DURING MSN 1109/CR-9 FWD.

ACTION: NO ACTION RECOMMENDED.

(2) ANOMALY: AN EQUIPMENT IMAGE ASSOCIATED FOG PATTERN IS  
PRESENT ON FOURTH FR FROM END OF SOME FWD PASSES.

CAUSE: FOG ON FOURTH FR WAS CAUSED BY LIGHT LEAK AT A CORNER  
OF FWD LIGHT SHIELD ASSEMBLY. DENSITY IS CONSIDERED MINOR AND NO  
IMAGE DEGRADATION WAS NOTED.

ACTION: NO ACTION RECOMMENDED.

(3) ANOMALY: A MINOR CHARACTERISTIC FOG PATTERN DESCRIBED  
AS "SPLASHING" IS PRESENT ON FIRST FR OF MOST OPS.

CAUSE: CHARACTERISTIC OF CR SYSTEM.

ACTION: NONE.

5. DISIC OM PERFORMANCE: LAST ACQUISITION OBTAINED FROM INDEX CAM

COORDINATING OFFICERS

**TOP SECRET**

RELEASING OFFICER

AUTHENTICATING OFFICER

REPRODUCTION BY OTHER THAN THE ISSUING OFFICE IS PROHIBITED. Copy No.

Signal Center Transmission Copy - DO NOT DETACH - Forward with Master  
Approved For Release 2008/12/15 : CIA-RDP78B03824A000500020052-3

CLASSIFIED MESSAGE

ORIG :  
UNIT :  
EXT :  
DATE :

**TOP SECRET**

## ROUTING

|   |  |   |  |
|---|--|---|--|
| 1 |  | 4 |  |
| 2 |  | 5 |  |
| 3 |  | 6 |  |

TO :

FROM:

CONF:

INFO :

PAGE 14 OF 21

|             |          |                       |          |
|-------------|----------|-----------------------|----------|
| INDEX GROUP | DEFERRED | PRIORITY              | INITIALS |
|             | ROUTINE  | OPERATIONAL IMMEDIATE | INITIALS |

TO

INFO

CITE

IS FR 55 OF PASS 301. LAST STELLAR ACQUISITION IS PORT 58 OF PASS 304. POINT-TYPE STAR IMAGES WERE RECORDED BY BOTH STELLAR CAMS. APPROX 12-20 STAR IMAGES WERE RECORDED ON PORT AND STB FORMATS. INDEX IMAGE QUALITY, WHERE NOT DEGRADED BY STATIC FOGGING, IS GOOD.

6. DISIC ANOMALIES:

A. ANOMALY: MULTIPLE, CORONA, DENDRITIC, AND GRID PLATE STATIC DISCHARGE IN PORT AND STB FORMATS IS PRESENT INTERMITTENTLY THROUGH MSN. STATIC DISCHARGES ARE MORE PROMINENT ON 1110-2 AND HEAVIER ON STB THAN ON PORT.

CAUSE: AN EMULSION BUILDUP ON THE RESEAU GRID LINES INCREASES TO A POINT AT WHICH STATIC FROM GRID LINES DISCHARGES IN A TYPICAL GRID-LIKE FASHION. CORONA DISCHARGES ARE PRESSURE SENSITIVE AND MORE VISIBLE DURING INDEPENDENT MODE WITH PMU OFF.

ACTION: CONDUCT AN EVAL OF PRESENT PMU CONFIG TO DETERMINE POSSIBILITY OF PROVIDING PMU PRESSURE DURING DISIC INDEPENDENT OPS.

ASSIGNED TO 

COORDINATING OFFICERS

**TOP SECRET**

RELEASING OFFICER

AUTHENTICATING OFFICER

REPRODUCTION BY OTHER THAN THE ISSUING OFFICE IS PROHIBITED. Copy No.

Signal Center Transmission Copy - DO NOT DETACH - Forward with Master

Approved For Release 2008/12/15 : CIA-RDP78B03824A000500020052-3

25X1

CLASSIFIED MESSAGE

ORIG :  
UNIT :  
EXT :  
DATE :

~~TOP SECRET~~

## ROUTING

|   |  |   |  |
|---|--|---|--|
| 1 |  | 4 |  |
| 2 |  | 5 |  |
| 3 |  | 6 |  |

TO :

FROM:

CONF:

INFO :

|  |  |  |  |
|--|--|--|--|
|  |  |  |  |
|--|--|--|--|

|                              |          |                          |          |
|------------------------------|----------|--------------------------|----------|
| APPROVED FOR<br>REPRODUCTION | DEFERRED | PRIORITY                 | INITIALS |
|                              | ROUTINE  | OPERATIONAL<br>IMMEDIATE | INITIALS |

PAGE 15 OF 21

TO

INFO

CITE

B. ANOMALY: FIVE FRS DID NOT HAVE BINARY TIME WORD IMAGED,  
(EX: PASS 168, FR 28).

CAUSE: ADJ TIME WORDS WERE SHARP, THEREFORE PROBLEM IS  
MORE LIKELY ELECTRICAL THAN MECHANICAL AND ABSENCE OF TIME WORD  
MAY HAVE BEEN DUE TO A MISSED DATA REQUEST PULSE.

ACTION: NO ACTION RECOMMENDED.

C. ANOMALY: MSN 1110 INDEX FILM IS DEGRADED BY BAND OF LINES  
AND ASSOCIATED STATIC WHICH ARE MOST OBVIOUS IN CTR OF FORMAT. BAND  
APPEARS AS MINOR DEGRADATION AT BEGINNING OF MSN AND PROGRESSIVELY  
WORSENS TOWARD END OF MSN WHERE FRS IN INDEPENDENT MODE ARE 80 PCT  
DEGRADED. THERE IS EVIDENCE ON PAD-LOADED PORTION OF A RUBBING  
INTERFERENCE OVER APPROX THREE-QUARTERS OF FORMAT. MAJOR LINES APPEAR  
AT 2.5MM SPACING AND ARE COINCIDENT WITH RESEAU LINES. HOWEVER, MANY  
MINOR LINES ANBANDS WITHIN MAJOR BAND ARE NOT COINCIDENT WITH RESEAU  
LINES. SOME EVIDENCE OF EMULSION RUB APPEARS COINCIDENT WITH RESEAU  
LINES IN INNER FR AREAS. FIVE BLANK FRS IN PASS 9 SHOW BAND OF LINES  
AS VERY CONTINUOUS BAND WITH LITTLE, IF ANY, EVIDENCE OF METERING.

COORDINATING OFFICERS

RELEASING OFFICER

~~TOP SECRET~~

AUTHENTICATING OFFICER

REPRODUCTION BY OTHER THAN THE ISSUING OFFICE IS PROHIBITED. Copy No.

Signal Center Transmission Copy - DO NOT DETACH - Forward with Master

CLASSIFIED MESSAGE

**TOP SECRET**

## ROUTING

|   |  |   |  |
|---|--|---|--|
| 1 |  | 4 |  |
| 2 |  | 5 |  |
| 3 |  | 6 |  |

ORIG :  
UNIT :  
EXT :  
DATE :

TO :

FROM:

CONF:

INFO : PAGE 16 OF 21

|            |          |                       |          |
|------------|----------|-----------------------|----------|
|            |          |                       |          |
|            |          |                       |          |
| PROCESSING | DEFERRED | PRIORITY              | INITIALS |
|            | ROUTINE  | OPERATIONAL IMMEDIATE | INITIALS |

TO

INFO

CITE

PRESSURE CHANGES DUE TO PMU TURN-ON AND -OFF ARE STRIKINGLY EVIDENT IN THAT CORONA MARKING IN INDEPENDENT MODE IS MUCH HEAVIER THAN IN DEPENDENT MODE.

CAUSE: FOLLOWING CONDITIONS COULD HAVE CAUSED ANOMALY:

(1) MIS-THREADING OF FILM PATH IN SUPPLY CASSETTE, BODY ASSEMBLY OR EXIT HOUSING, (2) OUT OF TIMING OF PLATEN WITH RESPECT TO FILM METERING CYCLE, (3) FAULTY SKEW ROLLER IN EXIT BOX. THE FOLLOWING OBSERVATIONS ARE MADE FROM AVAILABLE DATA: (1) CUT AND SPLICE DEVICE AND TAKE-UP CASSETTES CAN BE ELIMINATED AS CAUSES SINCE, AT TIME OF CUT AND SPLICE, MARKING CONTINUED AND WAS UNCHANGED THROUGH SPLICE. (2) CENTRAL MARKING AREA SHIFTS SLIGHTLY AND HEAVY DENSITY AREAS FAVOR SIDE OPPOSITE SLP, A CONDITION WHICH MIGHT BE EXPECTED SINCE SKEW ROLLER IS PRESET IN SUCH A WAY AS TO LOAD SIDE OPPOSITE SLP. (3) FORMAT CORNERS ARE SHARP AND FLAT, AND SLP REGISTERS CORRECTLY. PRELIMINARY EVIDENCE FROM CLEAT INDICATES FILM FLATNESS AND CALIBRATION WERE MAINTAINED IN MSN. THEREFORE, IT IS UNLIKELY THAT A PLATEN PAD

COORDINATING OFFICERS

**TOP SECRET**

RELEASING OFFICER

AUTHENTICATING OFFICER

REPRODUCTION BY OTHER THAN THE ISSUING OFFICE IS PROHIBITED. Copy No.

Signal Center Transmission Copy - DO NOT DETACH - Forward with Master



CLASSIFIED MESSAGE

~~TOP SECRET~~

ORIG :  
UNIT :  
EXT :  
DATE :

TO :

FROM:

CONF:

INFO :

PAGE 17 OF 21

## ROUTING

|   |  |   |  |
|---|--|---|--|
| 1 |  | 4 |  |
| 2 |  | 5 |  |
| 3 |  | 6 |  |

|  |  |  |  |
|--|--|--|--|
|  |  |  |  |
|--|--|--|--|

|   |          |                          |          |
|---|----------|--------------------------|----------|
| P<br>R<br>O<br>C<br>E<br>D<br>U<br>R<br>E | DEFERRED | PRIORITY                 | INITIALS |
|   | ROUTINE  | OPERATIONAL<br>IMMEDIATE | INITIALS |

TO

INFO

CITE

PROBLEM WAS CAUSE, ALTHOUGH A ROUGH PAD EDGE CANNOT BE  
ELIMINATED AS A POSSIBILITY. (4) NO EVIDENCE OF SIMILAR-TYPE  
PROBLEM ON STELLAR MATERIAL. THIS REDUCES, BUT DOES NOT ELIMINATE  
POSSIBILITY OF A SUPPLY CASSETTE PROBLEM.

ACTION: (1) ENDEAVOR TO DUPLICATE MARKINGS AS THEY  
APPEARED ON PREFLIGHT PORTION OF FILM IN AN EXISTING DISC SYS.  
(2) IF REQUIRED, CHANGE DISC ASSEMBLY AND TEST PROCEDURE.

ASSIGNED TO 

7. REVIEW OF S0-349 (3414) AND 3404 ON'S INDICATES NO APPARENT  
DIFFERENCE IN IMAGE QUALITY. HOWEVER, ABILITY TO DECREASE SLIT WIDTHS  
AND THEREBY DECREASE SMEAR COMPONENTS, FAVOR FUTURE USAGE OF 3414. PET  
RECOMMENDS USE OF 3414 IN FUTURE FLTS. IT IS ALSO RECOMMENDED THAT  
PORTION OF MSN 1111-1 BE PROCESSED NORMALLY (NOT FORCED DEVELOPMENT) AND  
COMPARED WITH REMAINDER OF 1111-1 TO DETERMINE BEST PROCESSING METHOD FOR  
MSN 1111-2 AND SUBSEQUENT MSNS.

8. MSN 1111: MSN 1111 PLANNING WAS DISCUSSED AND DECISION CONCERNING

COORDINATING OFFICERS

~~TOP SECRET~~

RELEASING OFFICER

AUTHENTICATING OFFICER

REPRODUCTION BY OTHER THAN THE ISSUING OFFICE IS PROHIBITED. Copy No.

Signal Center Transmission Copy - DO NOT DETACH - Forward with Master

25X1

CLASSIFIED MESSAGE

**TOP SECRET**

ORIG :  
UNIT :  
EXT :  
DATE :

TO :

FROM:

CONF:

INFO :

PAGE 18 OF 21

## ROUTING

|   |  |   |  |
|---|--|---|--|
| 1 |  | 4 |  |
| 2 |  | 5 |  |
| 3 |  | 6 |  |

|  |  |  |  |
|--|--|--|--|
|  |  |  |  |
|--|--|--|--|

|         |          |                          |          |
|---------|----------|--------------------------|----------|
| ROUTING | DEFERRED | PRIORITY                 | INITIALS |
|         | ROUTINE  | OPERATIONAL<br>IMMEDIATE | INITIALS |

TO

INFO

CITE

CONVENING OF PET MEET AT  WAS POSTPONED UNTIL LATE JULY.

GROUND TEST PERFORMANCE OF SYS CR-12, WHICH WILL BE FLOWN ON  
MSN 1111, INDICATES IT IS COMPARABLE TO THAT OF CR-11, WHICH WAS  
FLOWN ON MSN 1110. KNOWN AUG CLIMATOLOGICAL PARAMETERS AND ASSUMED  
HIGH MSN ALT WILL LIKELY RESULT IN SIMILAR PHOTO INTERP COMMENTS  
FOR MSN 1110 AND 1111. AN MIP OF 90-100 IS ANTICIPATED. FOLLOWING  
DATA SUM FOR MSNS 1101 - 1111 IS PROVIDED FOR INFO PURPOSES:

| MSN NO/<br>SYS NO | LAUNCH<br>DATE | INST/<br>LOOK | LENS<br>TYPE | FIL   | PEAK<br>RES | FIG OF<br>MERIT | ALT<br>NM | MIP<br>PRED | MIP<br>-1/-2 |
|-------------------|----------------|---------------|--------------|-------|-------------|-----------------|-----------|-------------|--------------|
| 1101/<br>CR-1     | 9-15-67        | 302A          | 1            | W-21  | 125         | 60              | 85        | 70          | N/R*         |
|                   |                | 303F          | 1            | W-23A | 122         | 95              | 85        | 85          | 85-1         |
| 1102/<br>CR-2     | 12-9-67        | 304A          | 1            | W-21  | 122         | 115             | 87        | 90          | N/R          |
|                   |                | 305F          | 2            | W-25  | 137         | 130             | 87        | 95          | 90-1         |
| 1103/<br>CR-3     | 5-1-68         | 306A          | 1            | W-21  | 136         | 125             | 88        | 85          | N/R          |
|                   |                | 307F          | 2            | W-25  | 147         | 125             | 88        | 95          | 90-1         |

COORDINATING OFFICERS

**TOP SECRET**

RELEASING OFFICER

AUTHENTICATING OFFICER

REPRODUCTION BY OTHER THAN THE ISSUING OFFICE IS PROHIBITED. Copy No.

Signal Center Transmission Copy - DO NOT DETACH - Forward with Master

25X1

CLASSIFIED MESSAGE

ORIG :  
UNIT :  
EXT :  
DATE :

~~TOP SECRET~~

## ROUTING

|   |  |   |  |
|---|--|---|--|
| 1 |  | 4 |  |
| 2 |  | 5 |  |
| 3 |  | 6 |  |

TO :

FROM:

CONF:

INFO :

PAGE 19 OF 21

|   |          |                          |          |
|---|----------|--------------------------|----------|
| P<br>R<br>O<br>C<br>E<br>D<br>U<br>R<br>E | DEFERRED | PRIORITY                 | INITIALS |
|   | ROUTINE  | OPERATIONAL<br>IMMEDIATE | INITIALS |

TO

INFO

CITE

| MSN NO/<br>SYS NO | LAUNCH<br>DATE | INST/<br>LOOK | LENS<br>TYPE | FIL  | PEAK<br>RES | FIG OF<br>MERIT | ALT<br>NM | MIP<br>PRED | MIP<br>-1/-2   |
|-------------------|----------------|---------------|--------------|------|-------------|-----------------|-----------|-------------|----------------|
| 1104/<br>CR-4     | 8-7-68         | 308A          | 2            | W-21 | 141         | 145             | 87        | 110         | N/R            |
|                   |                | 309F          | 3            | W-25 | 172         | 165             | 87        | 110         | 115-1          |
| 1105/<br>CR-5     | 11-3-68        | 310A          | 1            | W-21 | 158         | 130             | 85        | 95          | 95-1           |
|                   |                | 311F          | 3            | W-25 | 187         | 180             | 85        | 105         | N/R            |
| 1106/<br>CR-6     | 2-5-69         | 312A          | 2            | W-21 | 130         | 125             | 83        | 100         | N/R            |
|                   |                | 313F          | 3            | W-23 | 184         | 175             | 83        | 110         | 110-1          |
| 1107/<br>CR-7     | 7-24-69        | 314A          | 2            | W-21 | 141         | 135             | 99        | 95          | 95-1<br>95-2   |
|                   |                | 315F          | 3            | W-23 | 207         | 185             | 99        | 105         | FLD            |
| 1108/<br>CR-9     | 12-4-69        | 316A          | 1            | W-21 | 132         | 130             | 82/100    | 95          | N/R            |
|                   |                | 317F          | 3            | W-25 | 188         | 180             | 82/100    | 105         | 105-1<br>100-2 |

COORDINATING OFFICERS

~~TOP SECRET~~

RELEASING OFFICER

AUTHENTICATING OFFICER

REPRODUCTION BY OTHER THAN THE ISSUING OFFICE IS PROHIBITED. Copy No.

Signal Center Transmission Copy - DO NOT DETACH - Forward with Master  
Approved For Release 2008/12/15 : CIA-RDP78B03824A000500020052-3

CLASSIFIED MESSAGE

~~TOP SECRET~~

ORIG :  
UNIT :  
EXT :  
DATE :

TO :

FROM :

CONF :

INFO :

PAGE 20 OF 21

| ROUTING  |          |                       |          |
|----------|----------|-----------------------|----------|
| 1        |          | 4                     |          |
| 2        |          | 5                     |          |
| 3        |          | 6                     |          |
|          |          |                       |          |
| RECEIVED | DEFERRED | PRIORITY              | INITIALS |
|          | ROUTINE  | OPERATIONAL IMMEDIATE | INITIALS |

TO

INFO

CITE

| MSN NO/<br>SYS NO | LAUNCH<br>DATE | INST/<br>LOOK | LENS<br>TYPE | FIL   | PEAK<br>RES | FIG OF<br>MERIT | ALT<br>NM | MIP<br>PRED | MIP<br>-1/-2   |
|-------------------|----------------|---------------|--------------|-------|-------------|-----------------|-----------|-------------|----------------|
| 1109/<br>CR-10    | 3-4-70         | 320A          | 3            | W-23A | 158         | 150             | 94        | 100         | N/R            |
|                   |                | 321F          | 3            | W-25  | 202         | 190             | 94        | 110         | 110-1<br>100-2 |
| 1110/<br>CR-11    | 5-20-70        | 322A          | 2            | W-21  | 120         | 120             | 92        | 90          | N/R            |
|                   |                | 323F          | 3            | W-23  | 166         | 155             | 92<br>92  | 100         | 90-1<br>95-2   |
| 1111/<br>CR-12    |                | 324A          | 2            | W-21  | 118         | 115             | 95(3)     | 90          |                |
|                   |                | 325F          | 3            | W-25  | 175         | 160             | 95(3)     | 100         |                |

N/R - NO RATING (RATINGS BY   ARE FOR BEST CAM ONLY).

(1) - FIG OF MERIT IS A COMBINED MEASURE OF DEPTH OF FOCUS AND RES  
USED IN MAKING ORBITAL PREDICTIONS.

(2) - THE MIP PRED COMBINES FIG OF MERIT AND SCALE IN PROJECTING  
A BEST MSN POTENTIAL.

COORDINATING OFFICERS

~~TOP SECRET~~

RELEASING OFFICER

AUTHENTICATING OFFICER

REPRODUCTION BY OTHER THAN THE ISSUING OFFICE IS PROHIBITED. Copy No.  
Signal Center Transmission Copy - DO NOT DETACH - Forward with Master

25X1

CLASSIFIED MESSAGE

ORIG :  
UNIT :  
EXT :  
DATE :

**TOP SECRET**

ROUTING

|   |  |   |  |
|---|--|---|--|
| 1 |  | 4 |  |
| 2 |  | 5 |  |
| 3 |  | 6 |  |

TO :

FROM:

CONF:

INFO : PAGE 21 OF 21

|  |  |  |  |
|--|--|--|--|
|  |  |  |  |
|--|--|--|--|

|          |          |                       |          |
|----------|----------|-----------------------|----------|
| PRIORITY | DEFERRED | PRIORITY              | INITIALS |
|          | ROUTINE  | OPERATIONAL IMMEDIATE | INITIALS |

TO

INFO

CITE

(3) - AN ALT OF 95NM HAS BEEN ASSUMED BASED ON RECENT ORBIT SELECTIONS.

END OF MESSAGE

COORDINATING OFFICERS

**TOP SECRET**

OTHER THAN THE ISSUING OFFICE

Copy - DO NOT DETACH

25X1

25X1